

For Research Use Only

DHTKD1 Recombinant monoclonal antibody

Catalog Number:86661-3-RR



Basic Information

Catalog Number: 86661-3-RR	GenBank Accession Number: BC007955	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 55526	CloneNo.: 251575H1
Source: Rabbit	UNIPROT ID: Q96HY7	Recommended Dilutions: WB: 1:1000-1:6000
Isotype: IgG	Full Name: dehydrogenase E1 and transketolase domain containing 1	
Immunogen Catalog Number: AG26515	Calculated MW: 103 kDa	
	Observed MW: 103 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:
WB : L02 cells, MCF-7 cells, HepG2 cells, mouse liver tissue, mouse kidney tissue, rat kidney tissue

Background Information

DHTKD1 (Dehydrogenase E1 And Transketolase Domain Containing 1), also named as 2-amino adipic 2-oxoadipic aciduria protein, OADC-E1, OADH-E1, is a lesser-studied E1 enzyme among the family of 2-oxoacid dehydrogenases (PMID: 32695416). DHTKD1 was expressed ubiquitously in various tissues and was proposed to localize to the mitochondria (PMID: 23141294). DHTKD1 plays a critical role in energy production in mitochondria, suppression of DHTKD1 leads to impaired mitochondrial biogenesis and increased cell apoptosis (PMID: 24076469).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

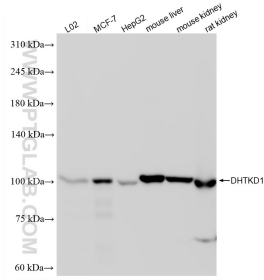
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

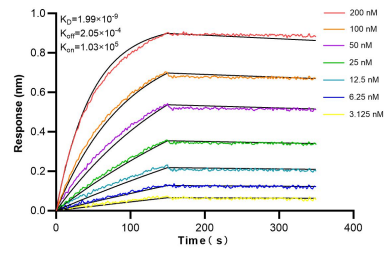
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86661-3-RR (DHTKD1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86661-3-RR against Human DHTKD1 were performed. The affinity constant is 1.99 nM.